**Preliminary Report EMO Hannover 2025**

**HORN at EMO Hannover 2025**

Since its inception in 1975, EMO has stood worldwide for innovation, internationality, inspiration and the future of metalworking. In 2025, the exhibition will celebrate its 50th anniversary.

As the world's leading trade fair for production technology, EMO in Hanover offers a unique platform every two to four years under the motto "Innovate Manufacturing" to make international contacts, open up new business opportunities and gain a comprehensive overview of the industry's worldwide offerings. The last event in 2023 attracted over 92,000 visitors from 140 countries and around 1,850 exhibitors to this industry highlight.

HORN will be showcasing pure machining on 580 square metres in Hanover. Four machines, four exciting components, a wide variety of tool solutions – live in action and cutting chips throughout the entire exhibition. The following will be on display: the DMU65mB from DMG, an Index G220, a Citizen L12 and a GROB G150. In addition, we will be displaying numerous exhibits and tool solutions and presenting our innovations for 2025. Markus Horn, Managing Director of Paul Horn GmbH: "I am convinced that a visit to EMO will be worthwhile for our customers and interested parties – we will be presenting machining at the highest level. On the four machines, we will be demonstrating the topics of finishing, machining lead-free materials, aluminium machining with rotating PCD tools and technology components with " " numerous turning operations. Horn continues: "In my opinion, the best results are achieved through dialogue, and EMO offers the ideal platform for this. Visit us in Hall 5, Stand A32."

In addition to live machining, Horn will be presenting numerous innovations. Among them is the Mini system with sintered chip breaker geometry, which was unveiled for the first time at the Horn Technology Days in May 2025. The sintered I-geometry is particularly aimed at machining materials with poor chip formation properties. It is suitable for copy turning, longitudinal turning, back turning and facing. Especially with shallow depths of cut in steel and stainless steels, the tool system with this geometry demonstrates its strengths in chip control. It leads to higher process stability and longer tool life. When developing the I-geometry, HORN also took into account the machining of lead-free materials. As these materials will pose a challenge in the future due to their inferior chip formation, the tool manufacturer offers inserts with small corner radii starting from 0.05 mm for small lateral infeeds. Corner radii from 0.05 mm to 0.2 mm are available from stock.

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photo caption: HORN will be showcasing pure machining on 580 square metres in Hanover.

Source: Horn/Sauermann



**photo caption:** Horn will be presenting numerous innovations at EMO. Among them is the Mini system with sintered chip breaker geometry.

Source: Horn/Sauermann

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